

Supplementary data 3- Sirius red/Fast green staining of mouse skin tissues. Skin samples were fixed in formalin and embedded in paraffin. Five-micrometer tissue sections were stained first with 0.01% Fast green for 15 minutes, and then with 0.1% Sirius red and 0.04% Fast green dissolved in water saturated with picric acid for 5 minutes (see Methods for details). Collagens were stained in red by Sirius red, and non-collagen proteins were stained in green by fast green. Please note that bleomycin-treated skin tissues (indicated as Bleo) have more Sirius red staining (red) in the wild type C57/B6 mice whereas skin tissues with Areg knockout (shown as Areg-/-) or MEK inhibitor AZD6244 treatment (shown as AZD6244) showed less Sirius red staining. Bar indicates 200µm